CLAIMS

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		$\overline{}$	SVIIIIMI	EXDAHSION	THERMAL	comprising:

- 2 selecting a map portion containing one or more map display symbols on a computer
- 3 map display; and
- 4 presenting a symbol expansion display related to the map portion on the computer
- 5 map display.
- 1 2. The method of claim 1, wherein the selecting comprises:
- 2 pointing to a map display symbol with a computer pointing device.
- 1 3. The method of claim 1, wherein the selecting comprises:
- 2 selecting a map portion of the computer map display containing the one or more map
- 3 display symbols with the computer pointing device.
- 1 4. The method of claim 1, wherein the presenting comprises:
- 2 relating the one or more map display symbols to one or more map symbol records
- 3 retained in a computer memory, each containing record components;
- 4 selecting one or more record components from among the one or more map symbol
- 5 records; and
- formatting the one or more record components for the symbol expansion display.
- 1 5. The method of claim 4, wherein the selecting one or more record components
- 2 comprises:
- 3 selecting record graphics components of the one or more map symbol records.
- 1 6. The method of claim 5, wherein the selecting one or more record components
- 2 comprises:
- 3 selecting record data of the one or more map symbol records.
- 1 7. The method of claim 6, wherein the selecting record data comprises:

- filtering the record data of the one or more map symbol records to provide symbol expansion data corresponding to a selected record data type.
- 1 8. The method of claim 7, wherein filtering the record data comprises:
- 2 selecting a record data type selected from the group consisting of a dollar asset range
- 3 record data type, a friendliness range record data type, a personnel size record data type, a
- 4 security classification record data type, a type of service record data type, and an age of
- 5 symbol record data type.
- 1 9. The method of claim 6, wherein the selecting record data comprises:
- 2 filtering the record data of the one or more map symbol records to provide symbol
- 3 expansion data corresponding to a selected record data range.
- 1 10. The method of claim 6, wherein the selecting record data comprises:
- 2 algorithmically combining map symbol records to provide symbol expansion data.
- 1 11. The method of claim 4, wherein formatting comprises:
- 2 providing a list of the symbol expansion graphics, movable by the user on the
- 3 computer maps display, and associated with the record graphics components of the one or
- 4 more map symbol records.
- 1 12. The method of claim 11, wherein formatting further comprises:
- 2 providing a list of the symbol expansion data, movable by the user on the
- 3 computer maps display, and associated with the record data components of the one or
- 4 more map symbol records.
- 1 13. The method of claim 12, wherein providing a list of symbol expansion data
- 2 comprises:

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- providing a user selectable language for the list of symbol expansion data.
 - 14. The method of claim 13, wherein formatting further comprises:

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- providing a lead line from the map display symbol to the symbol expansion display where the lead line moves in accordance with the position of the symbol expansion display.
- 1 15. The method of claim 14, wherein formatting further comprises:
- 2 color coding a symbol expansion graphic to indicate an attribute of the object
- 3 represented by the map display symbol.
- 1 16. The method of claim 15, wherein formatting further comprises:
- augmenting the symbol expansion display with special identifying characters that indicate when symbol information components have been omitted from the symbol
- 4 expansion display.
- 1 17. A symbol expansion apparatus comprising:
- a selection device to select a map portion containing one or more map display symbols on a computer map display; and
 - a presentation processor that receives information concerning the one or more map display symbols selected by said selecting device and which presents a symbol expansion display related to the map display region on the computer map display.
- 1 18. The apparatus of claim 17, wherein the for presentation processor comprises:
- 2 a computer memory having one or more map symbol records stored therein;
- a relation processor which relates the one or more map display symbols to one or more map symbol records retained in the computer memory;
- 5 a selector for selecting one or more record components from among the one or more 6 map symbol records; and
- a display processor which receives and formats each of the one or more record selected components for the symbol expansion display.
- 1 19. The apparatus of claim 18, wherein the display processor comprises:
- 2 . means for providing a list of the symbol expansion graphics, movable by the user

- 3 on the computer maps display, and associated with the record graphics components of the
- 4 one or more map symbol records.
- 1 20. The apparatus of claim 18, wherein the display processor further comprises:
- 2 means for providing a list of the symbol expansion data, movable by the user on
- 3 the computer maps display, and associated with the record data components of the one or
- 4 more map symbol records.
- 1 21. The apparatus of Claims 18 wherein the selection device is adapted to select a map
- 2 portion containing the one or more map display symbols.